

IN THE CLAIMS:

Cancel claim 1 without prejudice or disclaimer.

Please amend the claims as shown below:

Claim 1 (Cancelled)

Claim 2 (Currently amended): ~~The~~ An optical module ~~according to claim 1,~~ comprising:

a package having a CAN-type shape, said package including a stem, a sub-mount having a mounting surface and a plurality of lead terminals, said sub-mount and said lead terminals being provided in said stem such that said lead terminals co-axially surround said sub-mount to position at least one of the lead terminals behind said sub-mount, said mounting surface being substantially perpendicular to said stem;

a thermoelectric device disposed on said mounting surface of said sub-mount and in front of said sub-mount;

a light-emitting device mounted on said thermoelectric device; and

~~wherein said plurality of lead terminals are co-axially disposed so as to surround said sub-mount, and~~

~~said module further comprises an extension member fixed to one lead terminal disposed behind said sub-mount~~ said at least one of the lead terminals and electrically connected to said thermoelectric device ~~disposed on a front of said sub-mount.~~

Claim 3 (Currently amended) : The optical module according to claim 1 ~~2~~,

wherein said extension member has a side fixed to said at least one of the lead terminals disposed behind said sub-mount such that said extension member detours around a side surface of said sub-mount.

Claim 4 (Currently amended) : The optical module according to claim 3,

wherein said extension member is an L-shaped metallic component having two sides and an elbow portion between said two sides, one side of said two sides is fixed to said ~~lead terminals~~ at least one of the lead terminals and the other of said two sides is electrically connected to said thermoelectric device with a bonding wire.

Claim 5 (Currently amended) : The optical module according to claim 3,

wherein said extension member is a U-shaped metallic component having two outer sides, an inner side and two elbow portions between said outer side and said inner side, one of outer sides being fixed to said at least one of the lead terminals and the other of said outer sides being electrically connected to said thermoelectric device with a bonding wire, said inner side detouring around a side surface of said sub-mount..

Claim 6 (Currently amended) : The optical module according to claim 3,

wherein said extension member is a U-shaped metallic component having two outer sides, an inner side and two elbow portions connecting said outer side and said inner side, said inner side being fixed to said at least one of the lead terminals and said two outer sides sandwiching said lead terminal therebetween, one of said two outer sides detouring around a side surface of said sub-mount and being electrically connected to said thermoelectric device with a bonding wire.

Claim 7 (Currently amended): The optical module according to claim 1 ~~2~~,

wherein said extension member has a side fixed to said at least one of the lead terminals disposed behind said sub-mount such that said extension member detours around a top surface of said sub-mount.

Claim 8 (Currently Amended): The optical module according to claim 7,

wherein said extension member is an L-shaped metallic component having two sides and one elbow portion, one of said two sides being fixed to said at least one of the lead terminals, the other of said two sides detouring around said sub-mount and being electrically connected to said thermoelectric device with a bonding wire.

Claim 9 (Currently amended): The optical module according to claim 7 ~~2~~,

wherein said extension member is a U-shaped metallic component having ~~to~~ two outer sides, one inner side and two elbow portions connecting said two outer sides and said inner side to each other, one of said two outer sides being fixed to said at least one of the lead terminals and the other of said two outer sides being electrically connected to said thermoelectric device with a bonding wire, said inner side detouring around said top surface of said sub-mount.

Claim 10 (Currently amended) : The optical module according to claim 1 ~~2~~,

wherein said extension member has a hollow ~~so as~~ to fix said lead terminal thereto with solder.

Claim 11 (Original): The optical module according to claim 10,

wherein said extension member has a groove for receiving excess solder.